

PITTSBURGH TESTING LABORATORY

ESTABLISHED 1941

PITTSBURGH, PA.

Date Jan. 26, 1948

Order No. NY-3244

Lab. No. 381159

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OFFICIAL TEST OF WINDOW
SPECIFICATIONS DH-A1

ALUMINUM WINDOW MANUFACTURERS ASSOCIATION

Manufacturer: General Bronze Corporation
Designation: Aluminum D.H. DHA-0 Maximum Size: 3'0" x 5'4"
Reported to: Manufacturer and Aluminum Window Mfgs. Assoc.

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AIR INFILTRATION at 25 m.p.h. equivalent wind velocity was 0.240 c.f.m.
per foot of sash perimeter for a sash perimeter of 18.79 feet.
Specification maximum permissible was 0.750 c.f.m. per foot.

SASH SECTIONS

	Moments of Inertia In. 4				Section Moduli In. 3			
	Calculated		Permissible Minimum		Calculated		Permissible Min.	
	X - X	Y - Y	X - X	Y - Y	X - X	Y - Y	X - X	Y - Y
Upper Top Rail	.0239	.0153	.0197	.0091	.0354	.0394	.0270	.0150
Upper Meeting Rail	.0210	.0235	.0197	.0091	.0392	.0412	.0270	.0150
Lower Meeting Rail	.0220	.0228	.0197	.0091	.0288	.0369	.0270	.0150
Lower Bottom Rail	.0440	.0224	.0246	.0115	.0622	.0340	.0332	.0150
Horizontal Muntin		.0055		.0050		.0125		.0090

MAXIMUM DEFLECTION under specified loads - Inches

			<u>MAXIMUM PERMISSIBLE</u>	
	<u>Horizontal</u>	<u>Vertical</u>	<u>Horizontal</u>	<u>Vertical</u>
Upper Top Rail	.089	.040	.197	.092
Upper Meeting Rail	.042	.035	.197	.092
Lower Meeting Rail	.059	.035	.197	.092
Lower Bottom Rail	.070	.033	.197	.092.
Muntin System				

MATERIALS

Satisfactorily Met Specification Requirements

CONSTRUCTION

Satisfactorily Met Specification Requirements

COMMENTS:

This window as tested complied with the requirements of Specification DH-A1 of the Aluminum Window Manufacturers Association as revised October 3, 1947, in regard to Materials, Construction, Strength of Sections and Air Infiltration. An equivalent of this window is eligible to display the PTL - AWMA Quality Seal.

3-General Bronze Corporation
1-Mr. O. J. Condon, Secretary

Respectfully submitted,
PITTSBURGH TESTING LABORATORY

ENE Approved For Release 1999/08/27 : CIA-RDP78-04133A000100060002-3

Lawrence K. Jones
Special Test Section

As Required by the Provisions of the ASME Code Rules

1. Manufactured by BUEHLER TANK MANUFACTURING COMPANY ; 5000 PACIFIC BLVD.; LOS ANGELES 58, CALIFORNIA
(Name and address of the manufacturer)

2. Manufactured for STOCK W.O. A 4893
(Name and address of the purchaser)

3. Type HORIZONTAL Unfired Pressure Vessel No. 84457 Year built 1952
(Horizontal or Vertical) (Mfrs. serial No.) (State and State No.) (Natl. Board No.)

4. Have mill test reports been checked on all the plates entering this unfired pressure vessel. Yes
Do the chemical and physical properties of all plates meet the requirements of the Code. Yes

5. SHELL OR DRUMS: No. 1 Diameter 3 ft. 6 in. Length over-all 9 ft. 5 in. Height ft. in.
A212 Gr. B FIREBOX (width)

6. STAMPS on shell plates TS 70,000 Rivets, stays, and braces Butt Single Weld (Iron or steel) Butt Single Weld
(Brand and Lowest Tensile Strength)

7. SHELL PLATES 3/8 in. Butt straps in. Style of seams: Longitudinal W/Back Up Strip Girth W/Back Up Band
(Outer Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)

8. Diameter of rivet holes in. Pitch of rivets X Efficiency of joint 80 %

9. GIRTH JOINTS Diameter rivet holes in. Pitch of rivets in. No. of courses

10. INNER SHELL in. Style of seams: Longitudinal Girth Length of section or course ft. in.
(Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)

11. HEADS: Flat or dished 1/4" in. Radius of dish HEMISPHERICAL in. Side to pressure CONCAVE
(Thickness) (Concave or convex)

If removable, bolts used or method of fastening
(Number and size) (Describe or sketch)

	STAYS	No.	Size	Net Area	Welded or Weldless	Area to be Stayed	Maximum Allowable Working Pressure
12.	(a) F. H.						
	(b) R. H.						
	(c) Through						
	(d) Diagonal and Gusset Stays						

13. STAYBOLTS If hollow 14. Maximum pitch X Diameter in.
(Iron or Steel) (Size of hole) (Horizontal) (Vertical) (Over the threads)

15. SAFETY VALVE OUTLETS: No. Size

16. FUSIBLE PLUG (if used): No. Diameter and material of filling Location

17. OUTLETS: No. 1 Size 2 1/2" Material of nozzle or reinforcement Steel How attached Welded
(Riveted, Welded, etc.)

18. DRAIN CONNECTION in. HAND HOLES OR SIGHT HOLES
(Size) (Number, size, and location)

19. MANHOLES: Reinforcement
(Number) (Size and location of each) (Riveted, Welded, etc.)

20. NONPRESSURE PARTS: (a) Supporting lugs 4 STEEL BAR LEGS Supporting skirts (b) Other nonpressure parts
(Number) (Kind and number)

(c) Where and how attached 12 INCHES INSIDE EACH HEAD SEAM - WELDED

21. Bursting pressure 1000 psi Hydrostatic test 300 lb 22. Constructed for pressure of 200 psi Factor of safety 5

Remarks: VESSEL TO BE USED FOR LIQUEFIED PETROLEUM GASES
UNDERWRITERS LISTED UNDERGROUND SYSTEMS - BUOCO U-35
Built in accordance to Par. U-69 of the ASME Code

We certify the above data to be correct and that all details of material, construction, and workmanship on this unfired pressure vessel conform to the ASME Code for Unfired Pressure Vessels.

Date 5-9-52 Approved For Release 1999/08/27 : CIA-RDP78-04133A000100060002-3
BUEHLER TANK MANUFACTURING COMPANY
(Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number _____

VESSEL MADE BY BUEHLER TANK MANUFACTURING COMPANY; 5000 PACIFIC BLVD.
LOS ANGELES 58, CALIFORNIA

I, the undersigned, holding a certificate of competency as an inspector of steam boilers in THE STATE OF _____
CALIFORNIA, and employed by the DIVISION OF INDUSTRIAL SAFETY

of CALIFORNIA, inspected internally and externally, the vessel specified in this report, on _____

5/9/52 19, and certify that the statements made on this report are correct, corresponding with the mill test reports of material as furnished by the builders and measurements of the vessel when completed; and that this vessel is constructed in accordance with the A.S.M.E. Code Rules for the Construction of Unfired Pressure Vessels.

E. Monahan

Inspector for State or Boiler Insurance Company

NB#685